

Work Order ID 51964

September 10, 2009 3:00:52 PM



Page 1

Item ID: D350-636-107

Accept



Setup Start



Revision ID: A

Stop



Item Name: Cable Guard Installation

Start Date: 9/14/09 Start Qty: 4.00



Cust Item ID:

Required Date: 9/24/09 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

BL

Date:

09-9-10

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9457

A

100

0.00



DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPP D350-636-107/ DSI9457
CHG001

8 or 10/19

Hof BG 09/10/01

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

9/10/30 40 SE

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

2) 8 or 10/19

(40) /

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Page 2

Item ID: D350-636-107

Accept

Setup Start

Revision ID: A

Stop

Item Name: Cable Guard Installation

Start Date: 9/14/09 Start Qty: 4.00

Cust Item ID:

Required Date: 9/24/09 Req'd Qty: 4.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
Packaging									
Packaging	Memo Identify and pack for shipping as per PPP D3550-636-107/ DSI9457 Location: <u>SI</u> PPP rev: <u>A</u>	0.00							
140	QC21- Final Inspection - Work Order Release	0.00							
QC									
Quality Control	Memo	0.00							

9/11/09 (4) SF

09/11/09
PL 09-11-19 (4)

Picklist Print

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Page 1

Work Order ID: 51964

Parent Item: D350-636-107RevA

Parent Item Name: Cable Guard Installation

Comments:

Start Date: 9/14/09

Required Date: 9/24/09

Start Qty: 4.00

Required Qty: 4.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D350-636-107ARevA Fwd Cable Guard Installation	x1	Manufactured	No			110	Each	0.0000	4.0000			
D350-636-107BRevA Aft Cable Guard Installation	x1	Manufactured	No			110	Each	0.0000	4.0000			

51965

sf

51966

sf

9/19/30 (40) sf

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-636 REV. F OR EARLIER

REF. FAA STC: SR00646SE

REF. TCCA STC: SH99-7

REF. CAA AIRWORTHINESS APPROVAL NOTE: 28081, 28082

The D350-636-107 Cable Guard kit may be installed on D350-636-011/-013 Skidtube installations during hoisting operations to prevent damage to the cable and skidtube. The D350-636-107 Cable Guard Kit consists of the D350-636-107A Forward Cable Guard and the D350-636-107B Aft Cable Guard Kits. The D350-636-107A/-107B kits may be installed separately or in combination. See Figure 1 Sheet 2 for details.

The D350-636-107A Fwd Cable Guard Kit may be installed as follows:

- 1) Remove the forward 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 2) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 3) Remove the aft 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 4) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 5) Position the D3927-1 forward cable guard between the tangs of the D3928-1 bracket centered over the crosstube saddle and against the skidtube. Transfer drill 2x $\varnothing 0.257$ holes from the D3928-1 bracket to the D3927-1 forward cable guard. Remove D3927-1 forward cable guard and deburr holes.
- 6) Install the D3927-1 forward cable guard into the brackets using the hardware as shown in Figure 2 Sheet 3.

The D350-636-107B Aft cable guard kit may be installed as follows:

- 1) Slide the D3927-3 aft cable guard over the outboard ground handling lugs on the LH skidtube.
- 2) Insert the BLBS-020 pip pin into the hole at the aft end of the D3927-3 cable guard to secure it in place. See Figure 3 Sheet 4 for details.

WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-636-107 Cable Guard Kit	1.80 lb 0.82 kg	42.79 in 1.09 m	77.02 in-lb 0.89 m-k-g	112.97 in 2.87 m	203.35 in-lb 2.35 m-k-g
D350-636-107A Fwd Cable Guard	0.95 lb 0.43 kg	42.89 in 1.09 m	40.75 in-lb 0.47 m-k-g	106.29 in 2.70 m	100.98 in-lb 1.16 m-k-g
D350-636-107B Aft Cable Guard	0.85 lb 0.39 kg	42.19 in 1.07 m	35.86 in-lb 0.42 m-k-g	137.48 in 3.49 m	116.86 in-lb 1.36 m-k-g

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 51964

A	NEW ISSUE	DS	09.04.01
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	DS		
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MFG. APPR.	N/A	DSI 9457	SHEET 1 OF 4
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DE APPR.	PH	CABLE GUARD KITS	NTS
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PARTS LIST

QTY. -107	QTY. -107A	QTY. -107B	PART NUMBER	DESCRIPTION
X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
	1		D3927-1	FORWARD CABLE GUARD
		1	D3927-3	AFT CABLE GUARD
	2		D3928-1	BRACKET
	2		AN4-14A	BOLT
		1	BLBS-020	PIP PIN
	2		MS21042L4	NUT
	4		NAS1149D0463J	WASHER

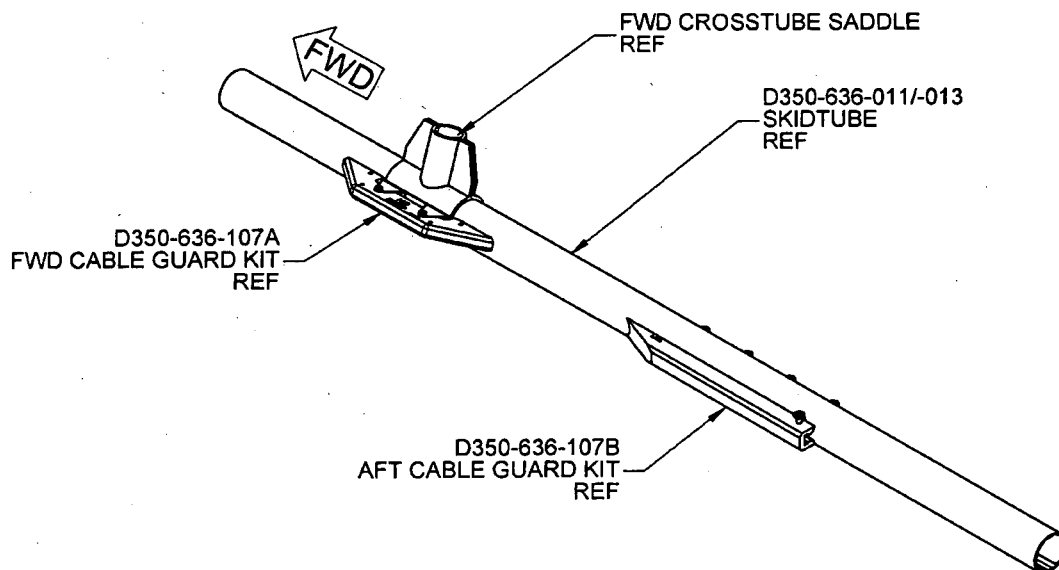


FIGURE 1: D350-636-107 CABLE GUARD KIT

51964

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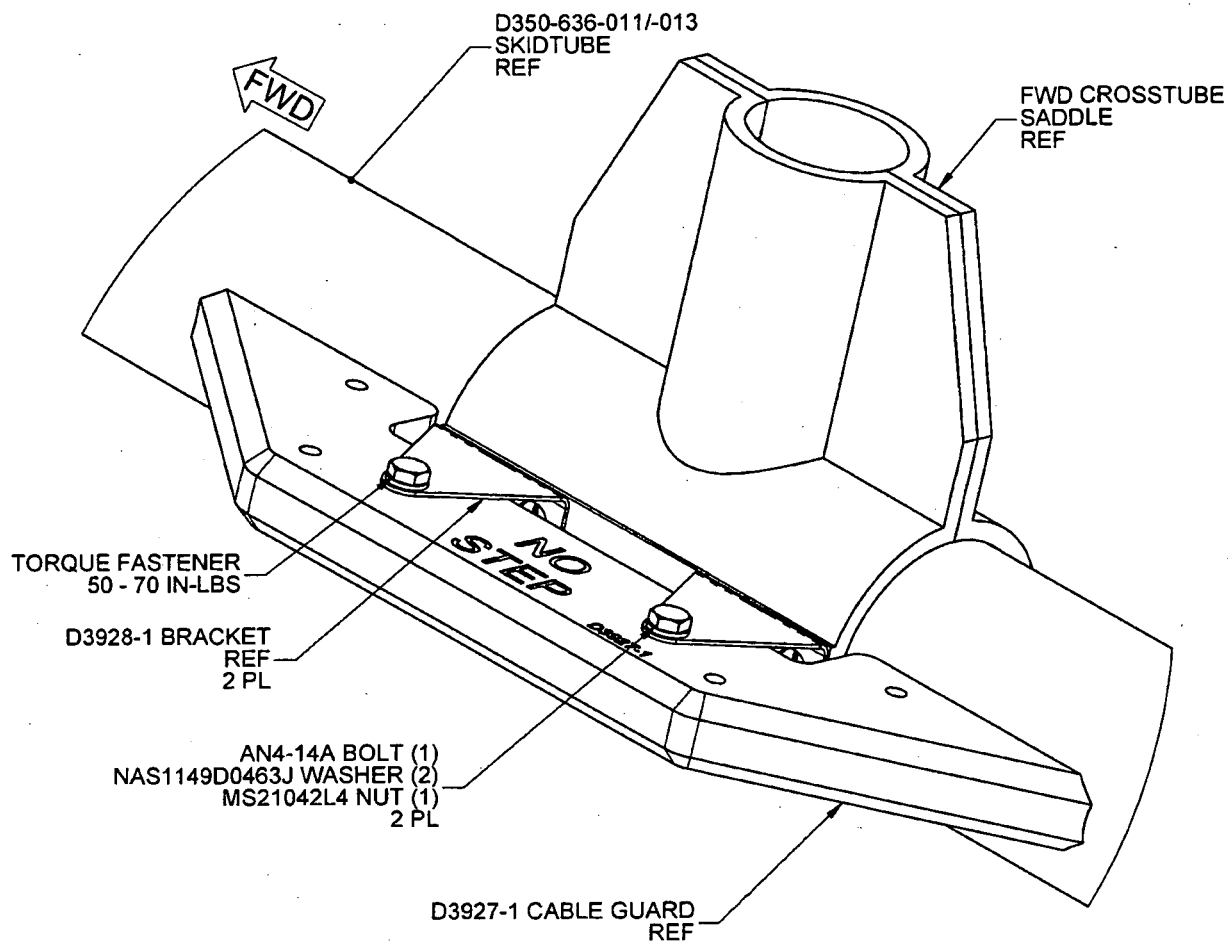


FIGURE 2: D350-636-107A FWD CABLE GUARD KIT
ATTACH BOLTS NOT SHOWN FOR CLARITY

51964

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DE APPR.	HA	CABLE GUARD KITS	NTS
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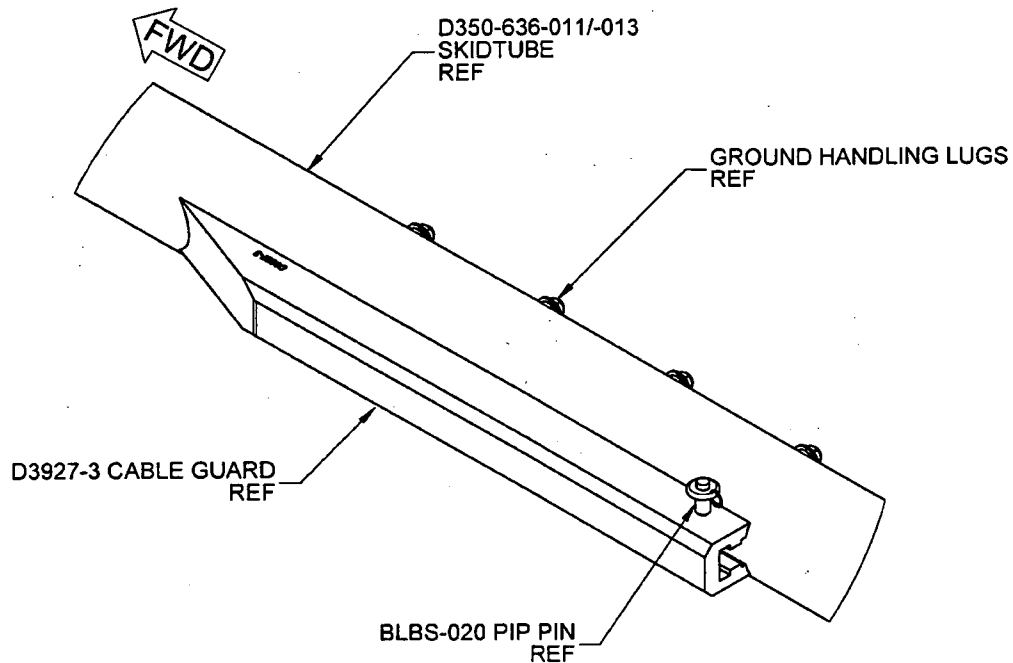


FIGURE 3: D350-636-107B AFT CABLE GUARD KIT

NOTE:
IT IS NECESSARY TO REMOVE THE D3927-3 CABLE GUARD IN ORDER TO MOVE
THE AIRCRAFT ON THE GROUND USING THE GROUND HANDLING LUGS

57964

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CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 4 OF 4
APPROVED	<i>NO</i>	TITLE	SCALE
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